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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/550,085	09/19/2005	Josef Schmidt	12604/14	1558	
26646	26646 7590 01/25/2008 KENYON & KENYON LLP			EXAMINER	
ONE BROADWAY			NGUYEN, TUYEN T		
NEW YORK,	NY 10004		ART UNIT	PAPER NUMBER	
	•		2832		
		•			
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	•	• •	01/25/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

\$	Application No.	Applicant(s)
	10/550,085	SCHMIDT ET AL.
Office Action Summary	Examiner	Art Unit
	TUYEN T. NGUYEN	2832
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time it if apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE!	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on This action is FINAL . 2b)⊠ This Since this application is in condition for allowand closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 13-26 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 13-26 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on 19 September 2005 is/a	vn from consideration. election requirement.	ted to by the Evaminer
Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Explanation is objected to by the Explanation is objected.	drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 6/20/2007.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite

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DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the electrical energy-transmission device includes a primary-conductor arrangement including at least two primary conductors extending parallel to each other and at least one secondary winding arrangement electromagnetically coupled to the primary conductor arrangement, the secondary winding arrangement is arranged at a lower side of a floor of a vehicle and the secondary winding arrangement is embedded in a potting compound must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will

be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 19-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 19, applicant should clarify the structure/arrangement of the primary conductor and the secondary winding.

Regarding claim 21, applicant should clarify the structure/arrangement of the secondary winding relative to a vehicle.

Regarding claim 22, applicant should clarify the structure/arrangement of the secondary winding relative to a potting compound.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13-15 and 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Milavec et al. [US 6,369,685 B1].

Melavec et al. discloses a magnetic device [figures 1-4] comprising:

- at least one ferrite core means [24] including a pair of E-shaped cores;

- a support means [10] connected to the ferrite core; and

- at least one flat winding means [16, 18] disposed about one limb of the E-shaped cores,

wherein the flat winding arranged as a conductor track on a multilayer board having a plurality

of electronic components [32].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Melavec et

al. in view of Jitaru [US 6,466,454 B1].

Melavec et al. discloses the instant claimed invention except for the specific of housing

and heatsink.

Jitaru discloses a transformer structure disposed on/in a printed circuit board enclosed in

a casing [5] and attached to a heatsink [58], wherein the heatsink including a plurality of cooling

fins.

It would have been obvious to one having ordinary skilled in the art at the time the

invention was made to include housing and heatsink in Melavec et al., as suggested by Jitaru, for

the purpose of providing heat transfer.

Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Melavec et al. in

view of Jelitschka [US 2002/0036561 A1].

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Melavec et al. discloses the instant claimed invention except for the specific of the flat winding.

Jelitschka discloses a planar coil disposed in depressions formed in a plastic part [figure 2].

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the winding design of Jelitschka in Melavec et al. for the purpose of reducing the thickness of the winding.

Claims 13-15 and 19-26, as best understood in view of the rejection under 35 USC 112 second paragraph, are rejected under 35 U.S.C. 103(a) as being unpatentable over Seelig [US 6,407,470 B1] in view of Melavec et al.

Seelig discloses a system for contactless energy transmission comprising:

- a transmitter head including:
 - at least one ferrite core;
 - at least one support;
 - a secondary winding [SS] mounted on the support and ferrite core; and
- primary conductors [PL] arranged on a floor at a distance A from each other, wherein a distance from the transmitter head to the floor is between 0.05*A and 0.2*A.

Seelig discloses the instant claimed invention except for the specific of the ferrite core.

Melavec et al. discloses a magnetic device [see above] having a ferrite core structure, as claimed.

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It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the magnetic device of Melavec et al. in Seelig for the purpose of completing the magnetic structure.

Regarding claim 19, Seelig discloses the primary conductors and the secondary winding are mechanically arranged separated from each other.

Regarding claim 20, Seelig discloses the flat conductor for the primary conductors.

Reagarding claim 21, Seelig discloses the secondary winding disposed on the floor of a vehicle.

Regarding claim 22, the specific potting compound use to form the secondary winding would have been an obvious design consideration for the purpose of providing a molded winding.

Regarding claims 23-24, the specific arrangement of the primary conductor and material use for the conductor would have been an obvious design consideration for the purpose of reducing skin effect.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T. NGUYEN whose telephone number is 571-272-1996. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TN TN

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